

## CLAIMS

- 1/ A method of adjusting transmission power for base stations transmitting in macro-diversity in a mobile radiocommunications system, wherein a reference transmission power for said adjustment is signalled to each of said base stations together with an adjustment period, and wherein each of said base stations periodically adjusts its transmission power to said reference transmission power, at said adjustment period.
- 2/ A method according to claim 1, wherein said periodically-performed adjustments are performed at predetermined instants.
- 3/ A method according to claim 2, wherein the transmitted information is structured in the form of frames that are numbered using continuous increasing numbering, said adjustment period is expressed as a number N of frames, and said predetermined instants corresponds to frames numbered  $n$  (modulo N), where  $0 \leq n < N$ .
- 4/ A method according to claim 1, wherein an updated value for the adjustment period can be signalled.
- 5/ A method according to claim 1, wherein an updated reference transmission power value can be signalled.
- 6/ A radio network controller, including, for adjusting transmission powers in base stations transmitting in macro-diversity in a mobile radiocommunications system:
- means for signalling a reference transmission power value for said adjustment to each of said base stations, together with an adjustment period.
- 7/ A radio network controller according to claim 6, including:

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- means for signalling an updated adjustment period value.

5 8/ A radio network controller according to claim 6, including:

- means for signalling an updated reference transmission power value.

10 9/ A base station, including, for adjusting its transmission power when transmitting in macro-diversity in a mobile radiocommunications system:

- means for receiving a reference transmission power value for said adjustment, as transmitted by a radio network controller together with an adjustment period;

15 and

- means for periodically adjusting its transmission power to said reference transmission power value, at said adjustment period.

20 10/ A mobile radiocommunications system, comprising means for performing a method according to claim 1.

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